

Weatherproof rubber flat cables with copper screening

### Product Description

Weatherproof for harsh environmental conditions; Flat cables need less space than round cables; Compared with round cables considerably smaller bending radii are possible; Copper braiding assures EMC and screens against electromagnetic interference



### Application range

- In crane systems on building sites and shipyards for static installation as well as for flexible use in cable trolley systems
- Sewage plants, steelworks and high rack facilities

### Benefits

- Weatherproof for harsh environmental conditions
- Flat cables need less space than round cables
- Compared with round cables considerably smaller bending radii are possible
- Copper braiding assures EMC and screens against electromagnetic interference

### Design

- Strands of bare or tinned copper wires
- Core insulation: Rubber
- Separate core screening made of - plastic foil wrapping - tinned copper braiding - plastic foil wrapping
- Outer jacket of special rubber compound

### Product features

- Flame retardant according to IEC 60332-1-2

**Technical Data**
**Core identification code**

Up to 5 cores: colour coded according VDE  
0293-308, see Appendix T9  
Starting at 6 cores: Black with white numbers

**Based on**

VDE 0250 NGFLGOEU (unscreened)

**Specific insulation resistance**

> 10 GOhm x cm

**Conductor stranding**

Copper conductor acc. VDE 0295 / IEC 60228 up to  
25mm<sup>2</sup>: extra fine wire, class 6 from 35mm<sup>2</sup>: fine  
wire, class 5

**Minimum bending radius**

Flexible use: 10 x cable thickness

**Rated voltage**

U0/U 300/500 V

**Test voltage**

2000 V

**Protective conductor**

G = with protective conductor GN/YE

X = without protective conductor

**Range of temperature**

Flexible use: -25°C up to +90°C

**Article List**

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer dimensions Width x height mm	Copper index kg/km	Weight kg/km
ÖLFLEX® CRANE CF				
0041075	4 G 1,5	18,5 x 6,5	79.0	220
0041076	8 G 1,5	36 x 7,5	155.0	470
0041077	12 G 1,5	54,5 x 8,5	238.0	745
0041078	4 G 2,5	22,5 x 7,5	141.0	320
0041079	12 G 2,5	69,5 x 9,5	499.0	1180
0041080	4 G 4	29 x 10,5	219.0	505
0041081	4 G 6	31 x 10,5	302.0	605
0041082	4 G 10	36 x 11,5	472.0	840
0041083	4 G 16	41,5 x 13,5	687.0	1180
0041084	4 G 25	47 x 15	1114.0	1605
0041085	4 G 35	55 x 17	1482.0	2520
0041086	4 G 50	66 x 20,5	2238.0	3000

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix



T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil  $\leq$  30 kg and  $\leq$  250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.